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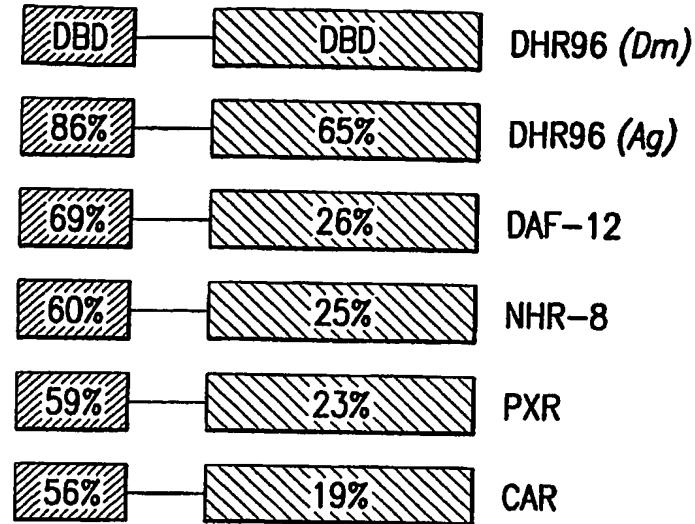
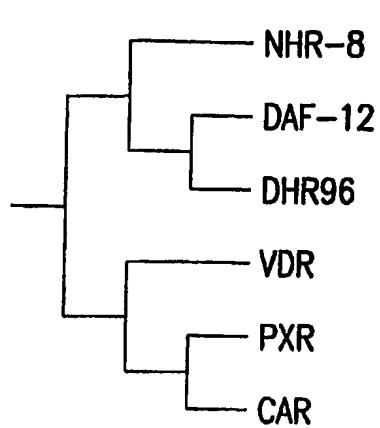


FIG.1A

FIG.1B

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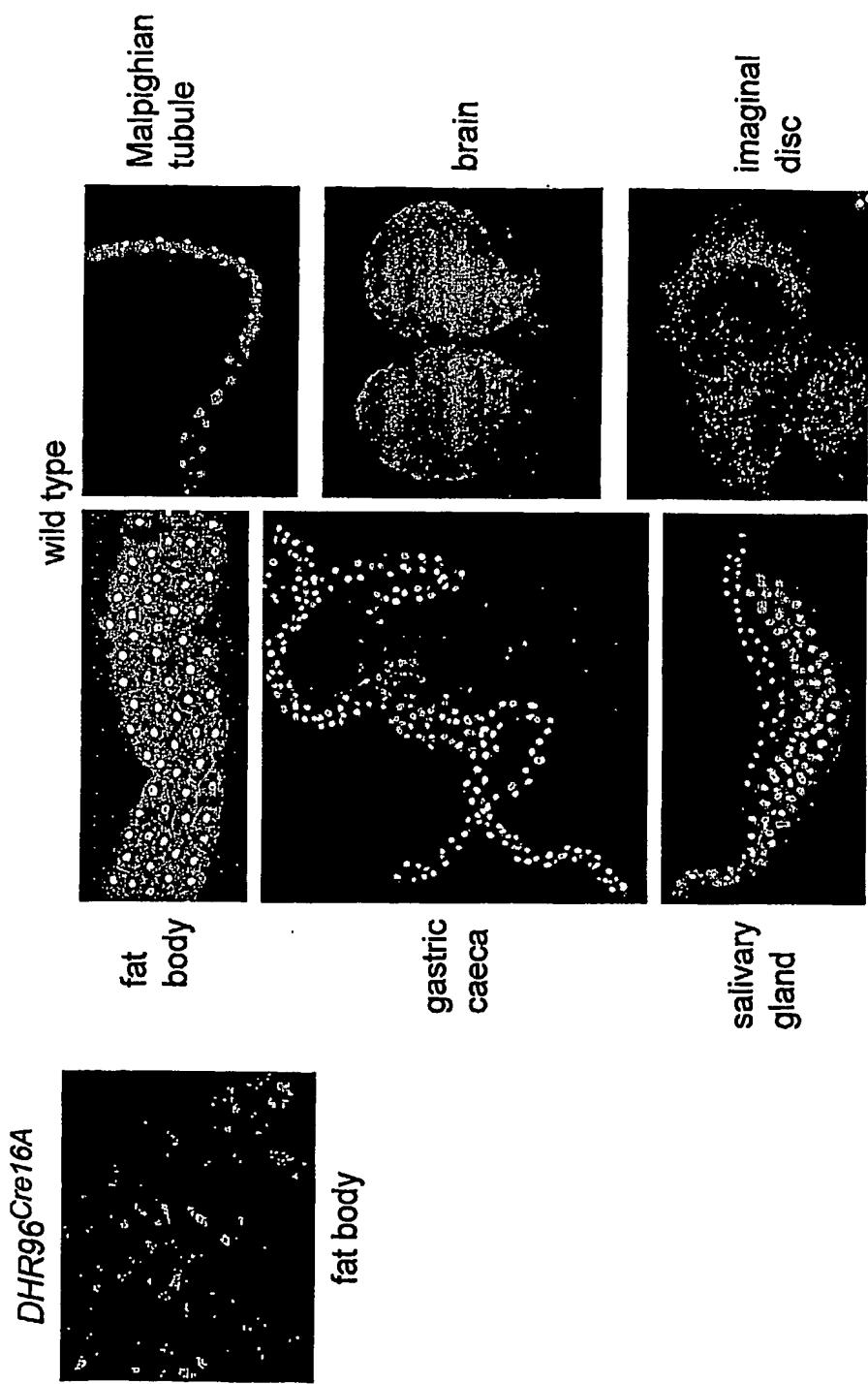


FIG.2

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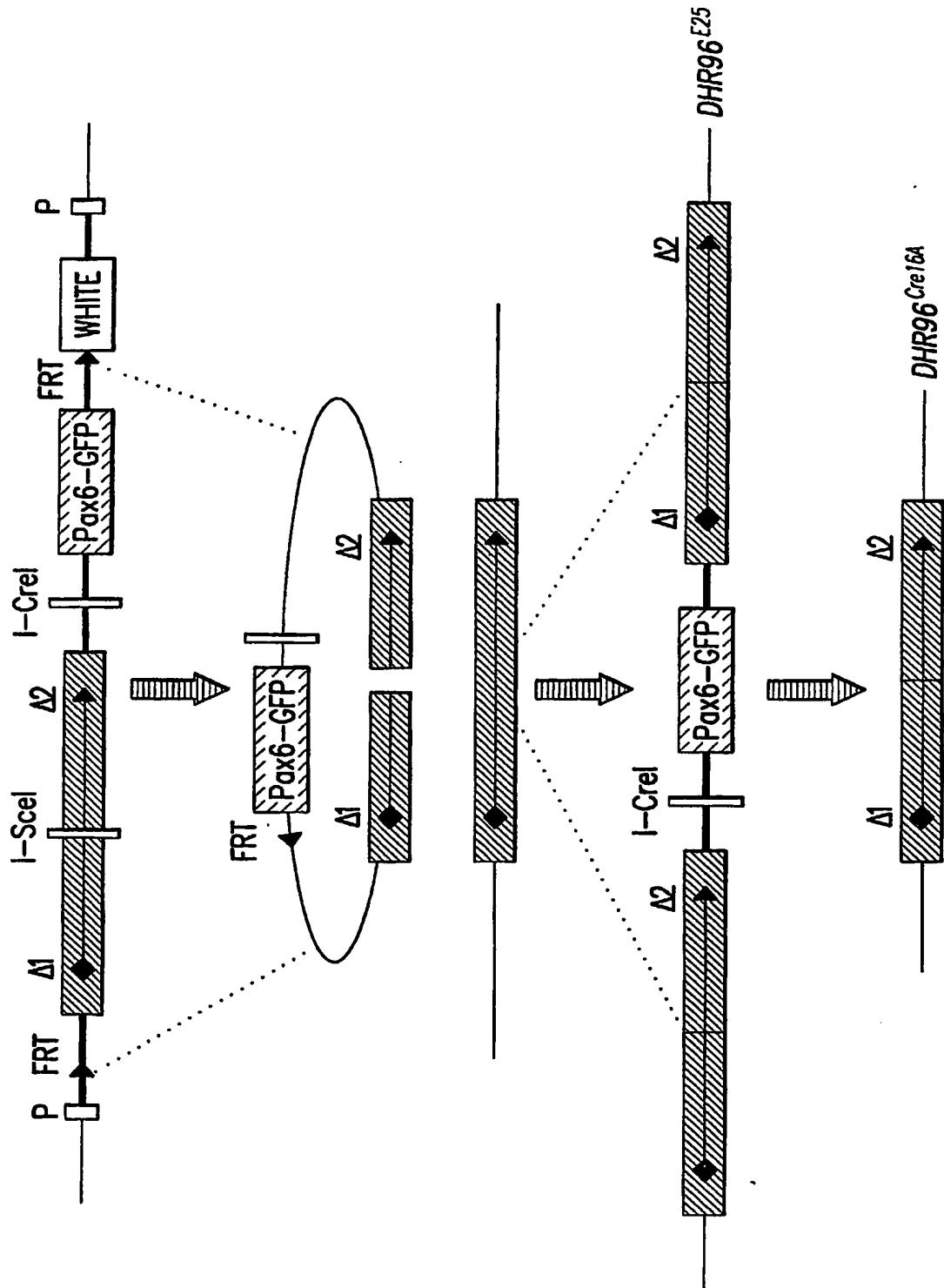


FIG. 3

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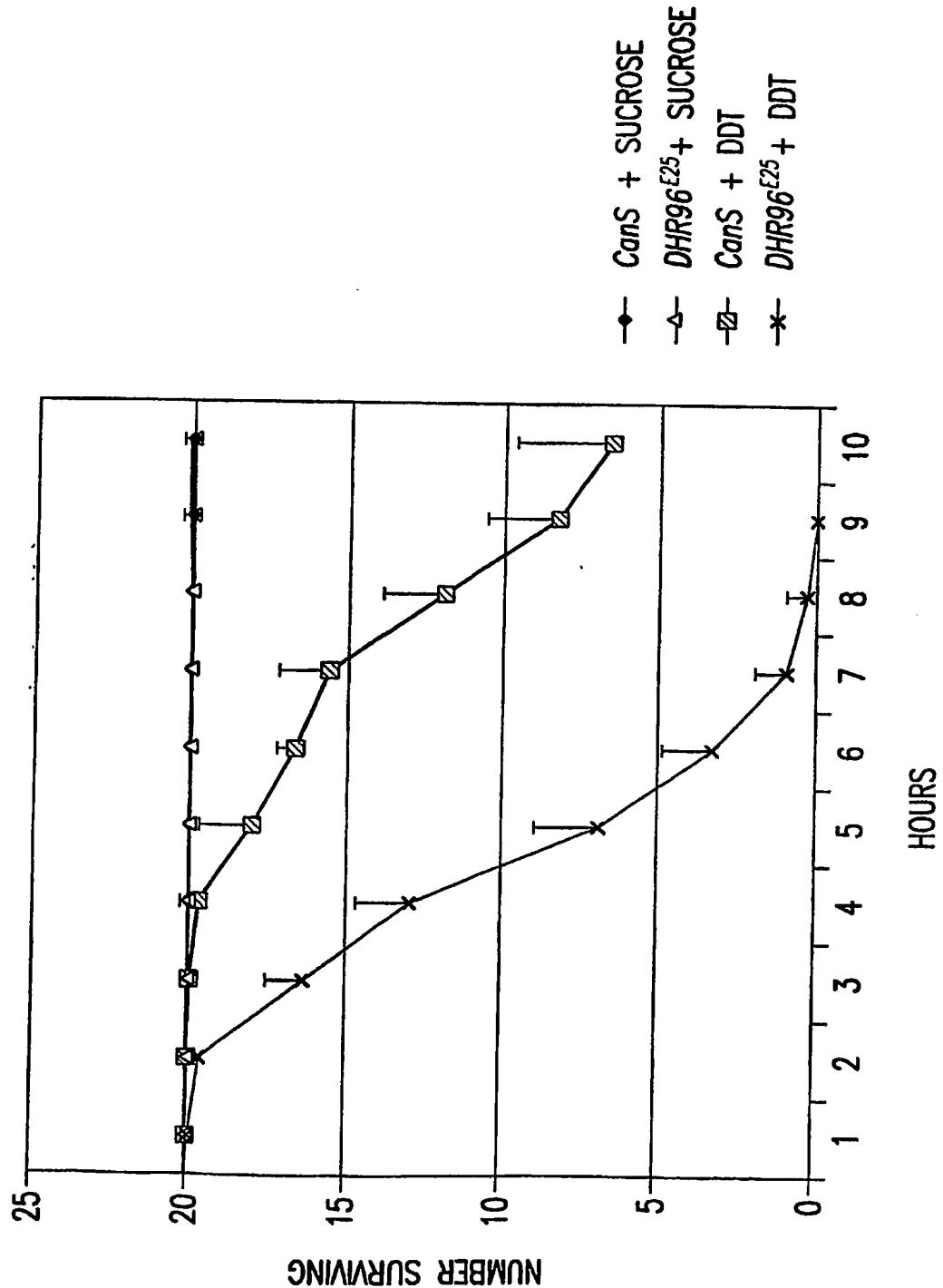


FIG. 4

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Usp	CSICGDRASGKHYGVYCEGCKGFFKRTVRKDLTYA-CRENR--NCIIDKRQRNRQCYCRYOKCLTCGMKREAVQEERQ
SVP	CWCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLTYS-CRGSR--NCPIDQHHRNQQCYCRLKKCLKGMRREAVQGRV
dHNF4	CAICGDRATGKHYGASSCDGCKGFFRRSVRKNHQYT-CRFAR--NCWDKDKRNQCRCYCRLKCFKAGM
DHR3	CKVCGDKSSGVHYGVITCEGCKGFFRRSQQSSVNYQ-CPRNK--QCWDRVNRNRQCYCRLQKCLKLM
DHR39	CPVCGDKVSGYHYGLLTCEGCKGFFKRTVQNKVYT-CVAER--SCHIDKTQRKRCPYCRFQKCLEVGM
E75	CRVCGDKASGFHYGVHCEGCKGFFRRSIQQKIQYRPCTKNQ--QCSILRINRNRCQCYCRLKKCIAVGM
E78	CKVCGDKASGYHYGVTCEGCKGFFRRSIQKQIEYR-CLRDG--KCLVIRLNRRNRCQYCRFKKCLSGM
EcR	CLVCGDRASGYHYNALTCEGCKGFFRRSVTSAVYC-CKFGR--ACEMDMYMRRKCQECRLKKCLAVGM
FTZ-F1	CPVCGDKVSGYHYGLLTCEGCKGFFKRTVQNKVYT-CVAER--SCHIDKTQRKRCPYCRFQKCLEVGM
T11	CKVCRDHSSGKHYGIYACDGCAGFFKRSIRRSLQYV-CKSQKQGLCVWDKTHRNQCRACRLRKCFEVGM
DHR38	CAVCGDTAACOHYGVRTCEGCKGFFKRTVQKGSKVY-CLADK--NCPVDKRRRNRCQFCRFQKCLWGM
DHR78	CLVCGDRASGRHYGAIISCEGCKGFFKRSIRKQLGYQ-CRGAM--NCEVTKHHRNRCQFCRLQKCLASGM
DHR96	CAVCGDKALGYNFNAVTCESCKAFFRRNALAKKQFT-CPFNQ--NCDITWVTRRFQKCRLRKOLDIGM
unique region	

FIG.5

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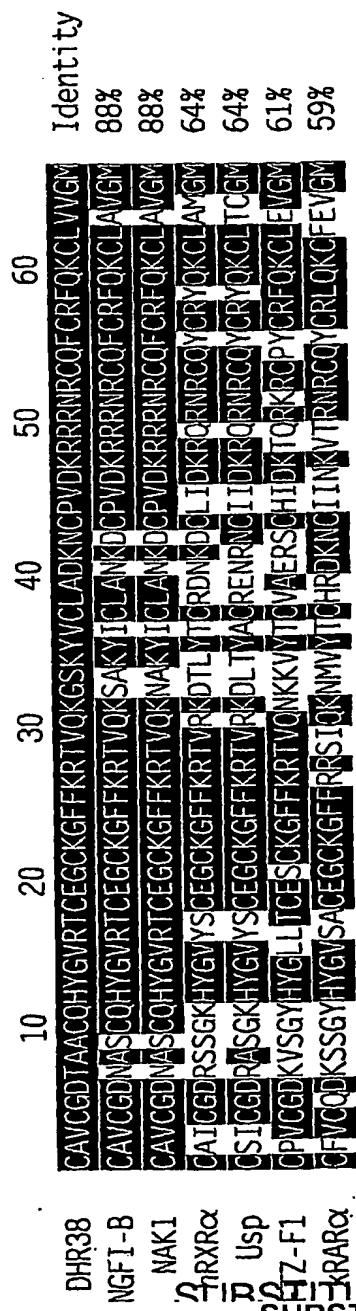


FIG. 6A

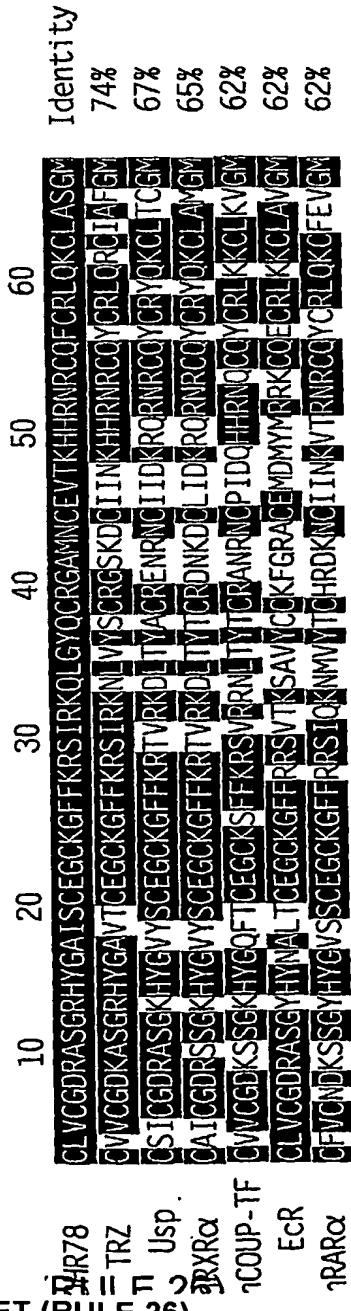


FIG. 6B

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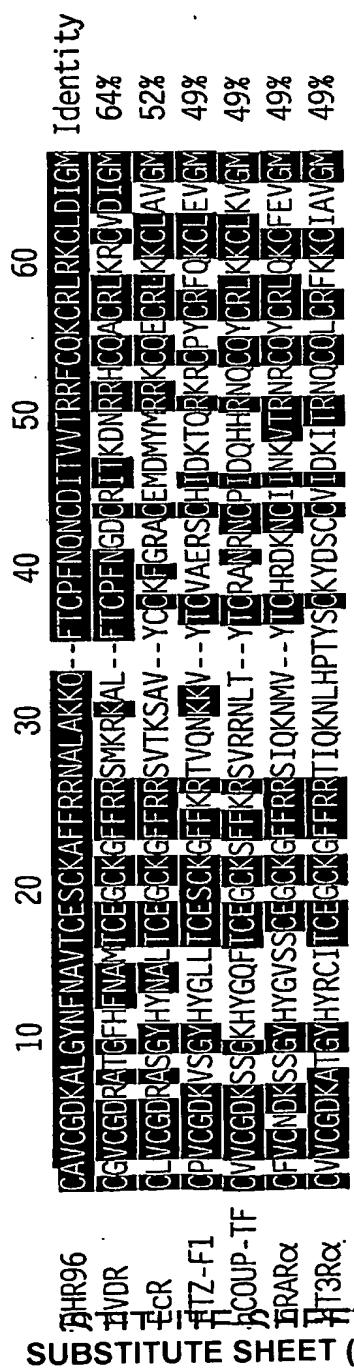


FIG.6C

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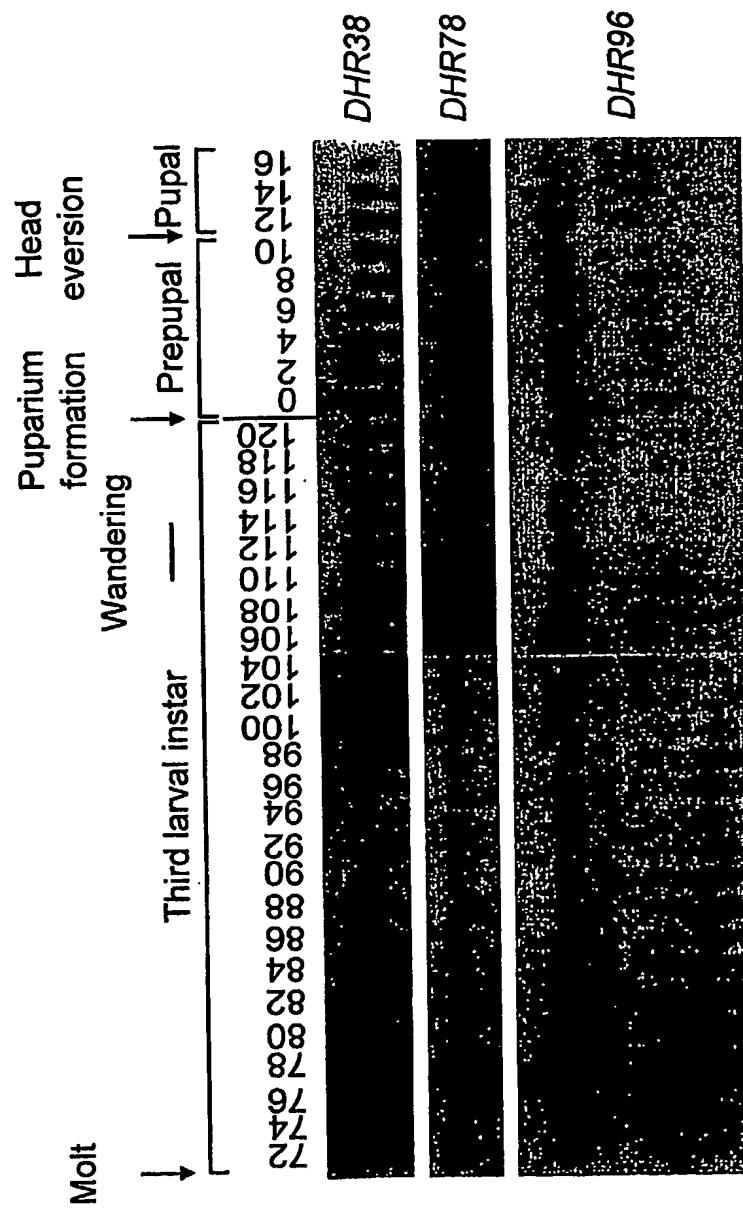


FIG. 7

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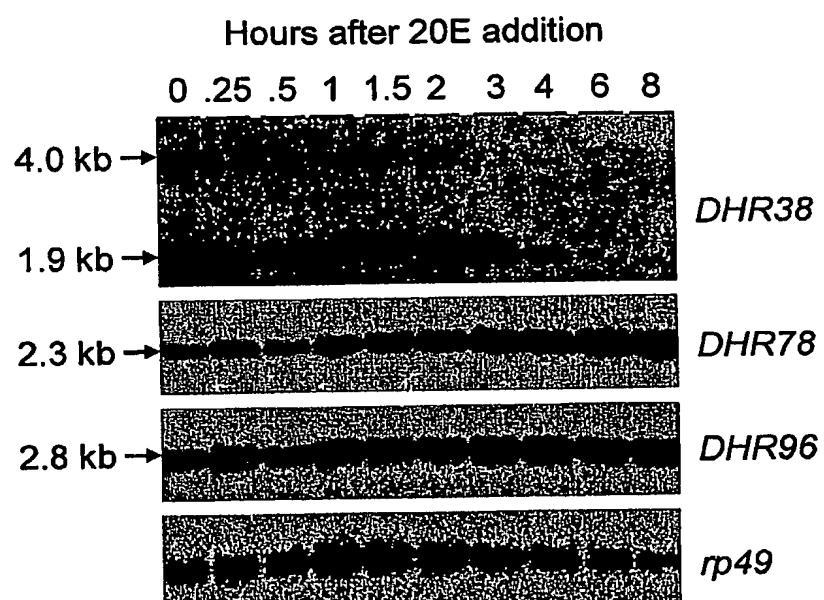


FIG.8

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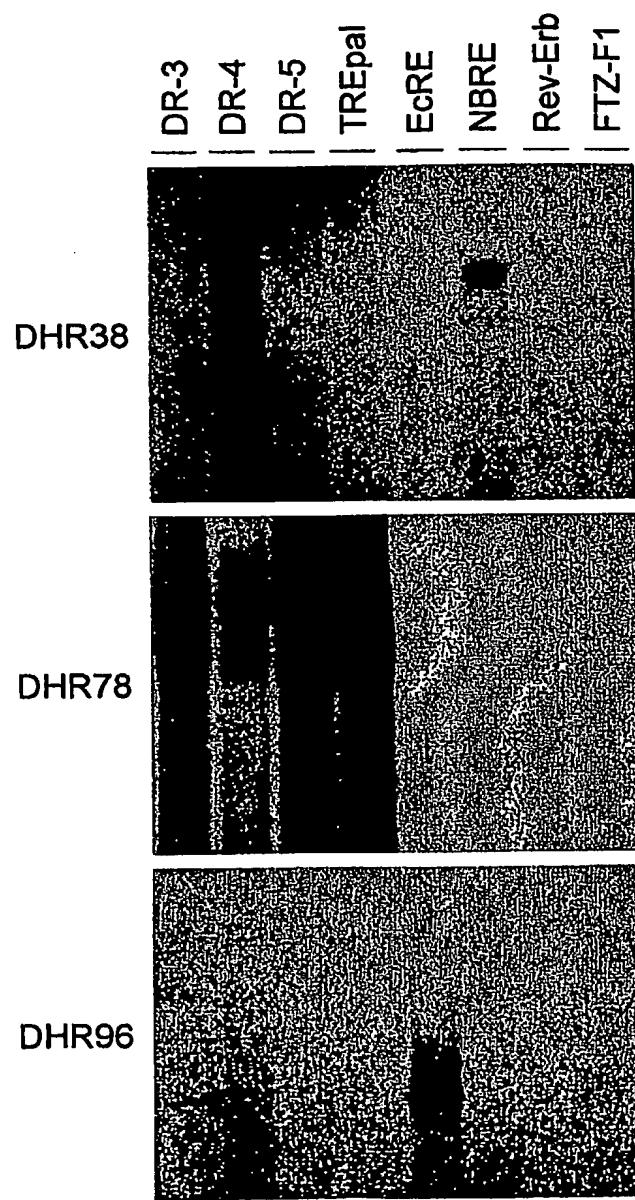


FIG.9

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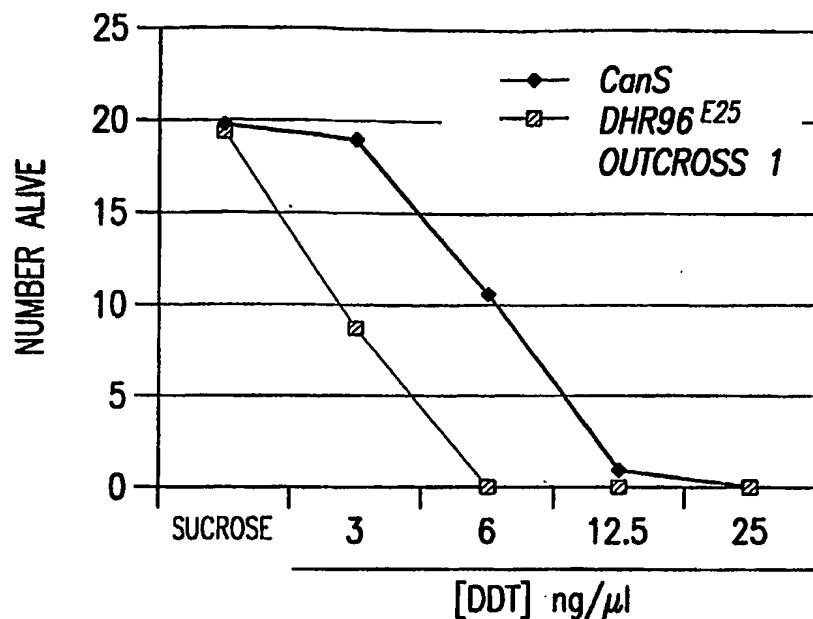
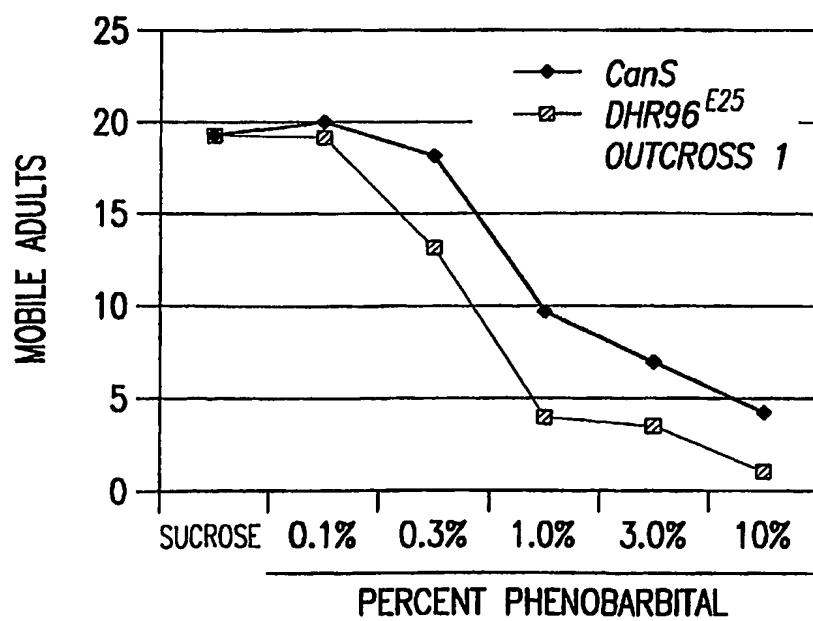


FIG. 10A

FIG. 10B
SUBSTITUTE SHEET (RULE 26)

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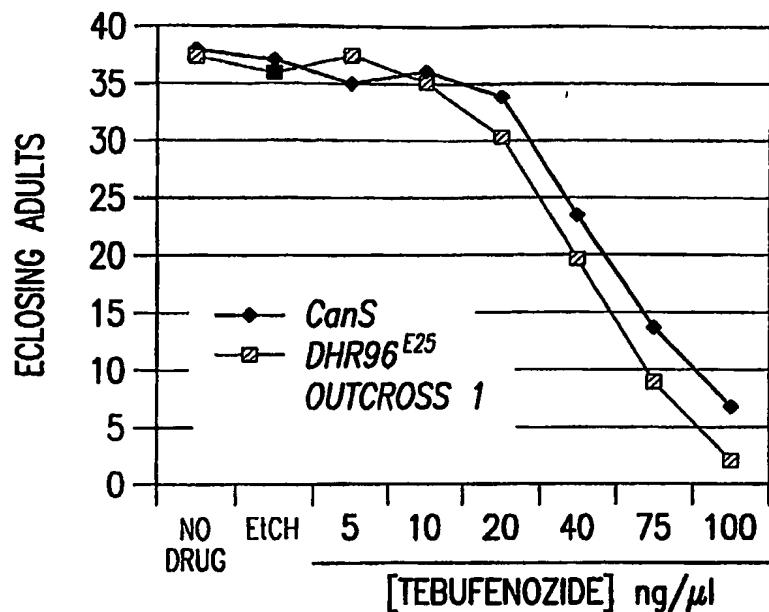


FIG.10C

script		WMPHS	96WPHS	fold change
3:FBgn0025644/sym=sp 1 gamma/ name=Larval serum protein 1 gamma/prod=larval serum protein 1 gamma-s		11164.31	340.12	-32.82
3:FBgn0025311/sym=Lp1/ name=Larval cuticle protein 1/prod=larval cuticle protein 1/func=structural protein c	3369.11	513.4	-6.56	
3:FBgn0019643/sym=Dat/ name=Dopamine N acetyl transferase/prod= arylalkylamine N-acetyltransferase/func=	8868.78	1353.56	-6.55	
3:FBgn0033596/sym=CG7738/ name=/prod=/func=/map=47E1-47E1/transc=CT23557/1er=405/GB:AE003:	4306.66	925.55	-4.65	
3:FBgn0030484/sym=CG1681/ name=/prod=glutathione transferase-like/func=enzyme/map=11F1-11F1/transc=	946.93	221.04	-4.28	
2:FBgn0040609/sym=CG3348/ name=/prod=/func=/map=97F6-97F6/transc=CT11231/1er=516/GB:AE003:	5850.94	1473.79	-3.97	
2:FBgn0039778/sym=CG18030/ name=/prod=trypsin-like/func=endopeptidase/map=99F8-99F8/1transc=CT4:	1379.59	363.05	-3.8	
2:FBgn0034294/sym=CG5765/ name=/prod=/func=/map=55B1-55B1/transc=CT18116/1er=1528/GB:AE00:	4602.49	1375.71	-3.35	
2:FBgn0039296/sym=CG10420/ name=/prod=/func=/map=96C3-96C3/transc=CT2244/1er=1794/GB:AE0	1271.55	405.9	-3.13	
2:FBgn002533/sym=Lp2/ name=Larval cuticle protein 2/prod=larval cuticle protein 2/func=structural protein c	2050.81	723.13	-2.84	
2:FBgn0015039/sym=Cyp9b2/ name=Cytochrome P450 CYP9B2/func=cytochrome P450 CYP9B2/func=cytochrome P450	2526.49	947.68	-2.67	
2:FBgn0033398/sym=Cyp6a23/ name=Cyp6a23/func=cytochrome P450 CYP623/func=cytochrome P45/map=51C	647.32	243.36	-2.66	
2:FBgn0033595/sym=CG18337/ name=/prod=/func=/map=47E1-47E1/transc=CT41641/1er=540 /GB:AE00:	538.81	202.16	-2.66	
2:FBgn0036656/sym=CG 13026/ name=/prod=/func=/map=73B5-73B5/transc=CT32244/1er=405/GB:AE00	2244.66	892.89	-2.51	
2:FBgn0000153/sym=b/black/ prod=glutamate decarboxylase 2/func=glutamate decarboxylase : EC:4.1	7070.57	2889.86	-2.45	
2:FBgn0039798/sym=CG11313/ name=/prod=nonphenol monooxygenase activator-like func=endopeptidase	1080.32	451.23	-2.39	
2:FBgn0032606/sym=CG17932/ name=/prod=UDP-glucuronyl transferase/func=enzyme/map=36A9-36A9A	1214.19	515	-2.36	
2:FBgn0000594/sym=Est-P/ name=Esterase P/prod=carboxylesterase/func=carboxylesterase: EC:3.1.1.1/map	475.26	205.79	-2.31	
2:FBgn0039239/sym=CG13641/ name=/prod=/func=/map=98B4-96B4/transc=CT33035/1er=429/GB:AE00:	1531.71	717.27	-2.14	
B:FBgn0014849/sym=Eig71Ei/ name=/prod=/func=/map=71E4-71E4/transc=CT22591/1er=3901GB:AE0035	1107.37	523.8	-2.11	
B:FBgn0034341/sym=CG17531/ name=CG17531/prod=glutathione transferase/func=enzyme /map=55C9-55C9/1	3476.77	1645.19	-2.11	
B:FBgn0033830/sym=CG10814/ name=/prod=/func=/map=50A6-50A6/transc=CT30312	363.72	174.9	-2.08	

SUBSTITUTE SHEET (RULE 26)

FIG. 11A

3:FBgr0034010 /sym=CG1157 /name=/prod=/func=/map=51F6-51F/transc=CT21969/1/en ~4071GBA:EO031	1622.11	787.24	-2.06
3:FBgr003356 /sym=Ser990a /name=Serine protease 1 /prod=serine endopeptidase /func=serine carboxypeptidase	15697.45	7724.85	-2.03
3:FBgr001256 /sym=Imp1t /name=Ecdisone-inducible gene L1 /prod=ecdisone-inducible secreted membrane protein	1414.79	709.8	-1.99
3:FBgr003046 /sym=Rpcp /name=Pupal cuticle protein/protein /prod= /func=structural protein of pupal cuticle (Drosophila)	2111.66	1080.62	-1.95
2:FBgr003357 /sym=Ser990b /name=Serine protease 2 /prod=serine endopeptidase /func=serine-type endopeptidase	15454.1	1955.78	-1.94
5:FBgr0036659 /sym=CG9701 /name=/prod=beta-glucosidase-like /func=ion channel /map=73B5-73B5 /transc	1162.58	598.76	-1.94
2:FBgr0033821 /sym=CG10799 /name=/prod=/func=/map=50A1-50A1/transc=CT30256/1/en=591/GB:AE00:	822.24	425.81	-1.93
5:FBgr0036024 /sym=CG18180 /name=/prod=/func=/map=67B10-67B10/transc=CT41046/1/en=887/GB:AE	4368.44	2288.8	-1.91
5:FBgr0013307 /sym=0dc 1 /name=0nnithine decarboxylase 1 /prod=ornithine decarboxylase /func=ornithine dcar	1007.84	530.1	-1.9
5:FBgr0029898 /sym=CG14439 /name=/prod=permease-like /func=transporter /map=6C11-6C11/transc=CT3	2393.73	1275.57	-1.88
2:FBgr0031653 /sym=CG8871 /name=/prod= /func=endopeptidase /map=25B8-25B8 /transc=CT25448/1/en=7	959.63	512.75	-1.87
5:FBgr0040565 /sym=CG7605 /name=/prod=/func=/map=90B5-90B5 /transc=CT28217/1/en=321 GB:AE003	8325.78	4504.75	-1.85
5:FBgr0031251 /sym=CG4213 /name=/prod=/func=motor /map=21C2-21C2 /transc=CT13888/1/en=3696/GB:	146.23	19.37	-1.84
5:FBgr0033197 /sym=CG17984 /name=/prod=/func=/map=43E6-43E6 /transc=CT40154/1/en=1417/GB:AE	1026.78	559.64	-1.83
2:FBgr0039777 /sym=CG2229 /name=/prod=serine protease-like /func=endopeptidase /map=99F7-99F8 /transc	9394.5	5150.37	-1.82
5:FBgr0032889 /sym=CG9331 /name=/prod=glycerate dehydrogenase-like /func=enzyme /map=38E9-38E9 /transc	3023.89	1676.12	-1.8

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FIG. 11B

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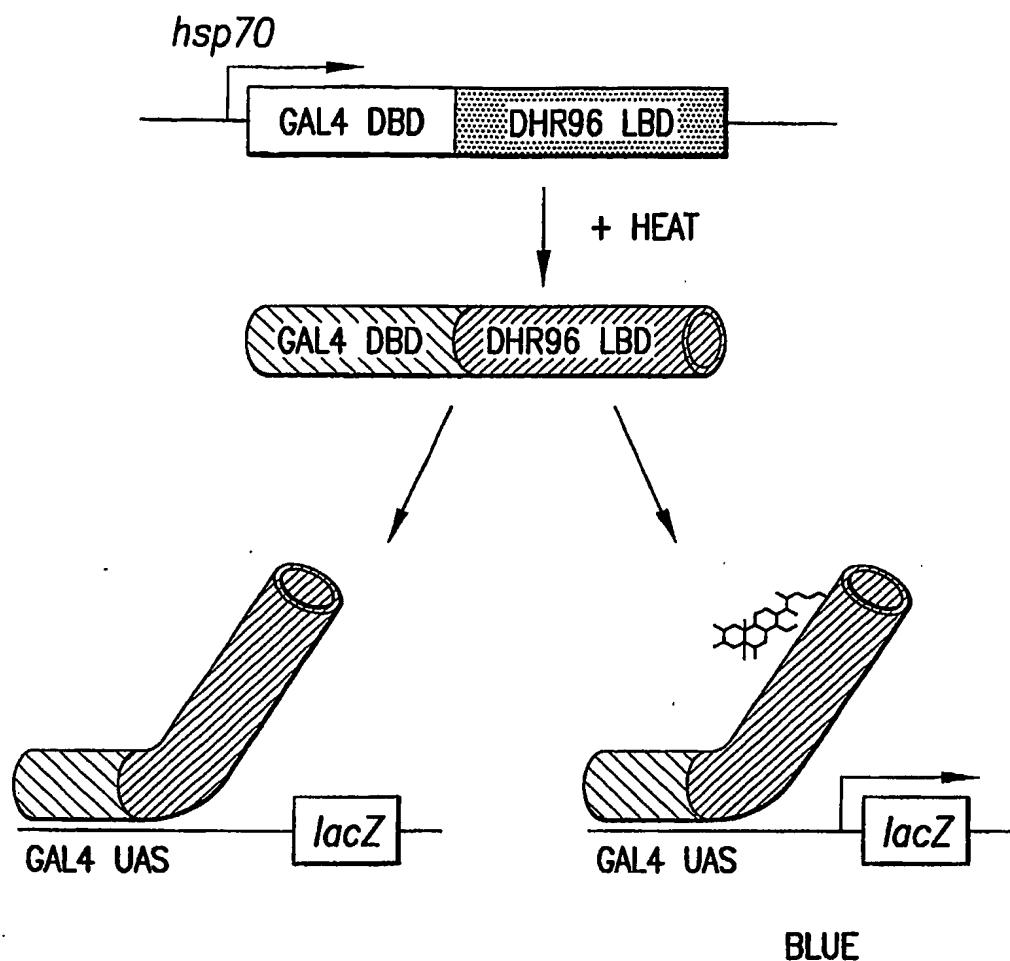


FIG. 12

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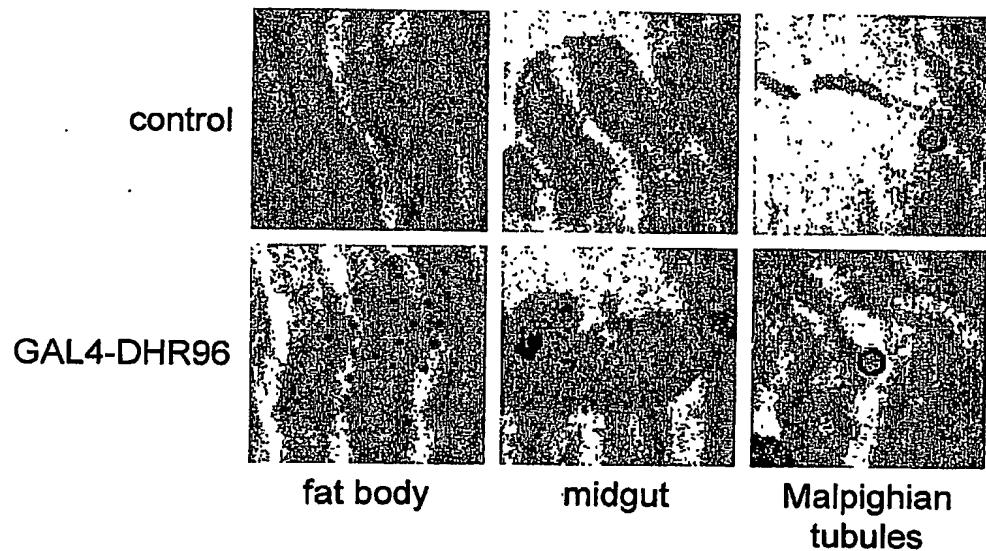


FIG.13